

which is, it is submitted, an appropriate amendment.

A marked-up copy of the original Specification of the invention is submitted herewith for comparison purposes.

IN THE CLAIMS:

Page 16, delete "WHAT WE CLAIM IS:" and substitute therefor: --Having thus disclosed my invention, what I claim as new and to be secured by Letters Patent of the United States of America is:--

Please cancel without prejudice Claims 1, 2, 12, 13 and 18 and add the following claims:

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piezo not damaged
Claim 22. A system for effecting a braking force on a towed vehicle, the system including: at least one braking sensor located on a towing vehicle; a control unit for communicating with a braking actuator mechanism located on said towed vehicle for actuating brakes on said towed vehicle; said braking sensor including a substantially rigidly disposed *or statically* *piezo-sensitive* pressure-sensitive laminate; said control unit determining braking force sensed by said braking sensor; and signaling means signaling said braking actuator mechanism to apply a braking force to said towed vehicle proportional to said braking force sensed by said braking sensor as determined by said control unit.

Claim 23. A system in accordance with Claim 22, which further comprises a park brake assembly.

Claim 24. A system in accordance with Claim 22 comprising a brake pedal pad, said braking sensor being under said brake pedal pad.

Claim 25. A system in accordance with Claim 22, which comprises an auxiliary control unit mounted to said towed vehicle.

Claim 26. A system in accordance with Claim 22, wherein said control unit frequently polls the load on (said brake pedal.) *indep*

Claim 27. A system in accordance with Claim 22, which comprises an actuator mechanism which operates independently of the braking force sensed by said braking sensor.

Claim 28. A system in accordance with Claim 27, wherein the independent operation of said actuator mechanism is for a predetermined duration of time and amount of force.

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Claim 29. A system in accordance with Claim 25, wherein when said auxiliary control unit on said towed vehicle is disconnected from said control unit on said towing vehicle, power disconnection means disconnects power from at least some of the components on said towed vehicle.

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Claim 30. A system in accordance with Claim 29, wherein upon disconnection of said towed vehicle from said towing vehicle, said brakes on said towed vehicle are operated to their full capacity.

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Claim 31. A system in accordance with Claim 22, which comprises automatic sway detection means that detects the towed vehicle's oscillations and applies said brakes on said towed vehicle independently of said towing vehicle.

Claim 32. A system for effecting the braking force on a towed vehicle via an actuator mechanism wherein said actuator mechanism operates independently of a towing vehicle associated with said towed vehicle.

Claim 33. A system in accordance with Claim 32, wherein said independent operation is for a predetermined duration of time and amount of force.

Claim 34. A system in accordance with Claim 32, which comprises an auxiliary control unit on said towed vehicle whereby when said auxiliary control unit is disconnected from a

control unit on said towing vehicle, power is disconnected from at least the components of the system on said towed vehicle.

Claim 35. A system in accordance with Claim 34, wherein said towed vehicle comprises disconnection means of control from said towing vehicle, said disconnection means operating brakes on said towed vehicle to substantially full capacity.

Claim 36. A system in accordance with Claim 32, which comprises automatic sway detection means that detects oscillations of said towed vehicle and applies brakes of said towed vehicle independently of said towing vehicle.

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Claim 37. A braking sensor comprising a rigidly disposed piezo-sensitive laminate.

Claim 38. A method of applying a braking force to a towed vehicle proportional to the braking force applied to a towing vehicle which is towing said towed vehicle, the method including sensing the braking force applied by said towing vehicle by a substantially rigidly disposed piezo-sensitive laminate, converting said sensed force to a braking force to be applied to said towed vehicle and signaling a brake actuator mechanism of said towed vehicle to apply said proportional braking force to brakes on said towed vehicle.

Claim 39. A system for effecting a braking force on a towed vehicle, the system comprising: a braking sensor on a towing vehicle; a control unit for communicating with a braking actuator means on said towed vehicle for actuating brakes of said towed vehicle; said braking sensor including a substantially rigidly disposed piezo-electric sensitive laminate; said control unit determining braking force sensed by said braking sensor; and signaling means signaling said braking actuator means to apply a braking force to said towed vehicle which is proportional to said braking force sensed by said braking sensor as determined by said control

unit.